

I claim:

1. A system for controlling operating information of a construction machine comprising:

operating information collection means for collecting operating information regarding operation of a construction machine;

storage means for storing the operating information; and

a transmission controller for transmitting the operating information read from the storage means to a first receiving device provided except the construction machine through a wireless radio, said transmission controller transmitting said operating information to said first receiving device when receiving a transmission request from outside of the construction machine, or continuously for a predetermined period.

2. The system according to claim 1, wherein said wireless radio is a low power wireless radio.

3. The system according to claim 1, further comprising:

an operating information control device for controlling said operating information received by said first receiving device; and

operating information accumulating means provided on said operating information control device to accumulate said operating information, said operating information accumulating means classifying said operating information every construction machine to store it.

4. The system according to claim 1, wherein said first receiving device is provided in a base station for controlling said construction machine.

5. The system according to claim 1, wherein said operating information is received by said first receiving device within a transmission permissible range of said wireless radio to thereby read said operating information.

6. The system according to claim 1, further comprising:

a movable body on which is mounted a second receiving device for receiving said operating information transmitted from said transmission controller.

7. The system according to claim 3, wherein said receiving device provides data and time on which receiving and transmitting of said operating information is carried out relative to said construction machine for said operating information control device as incoming or outgoing date and time information of said construction machine.

8. The system according to claim 4, further comprising:

confirmation means for confirming whether communication is established when said operating information control device tries to get into communication periodically with said construction machine within the base station to thereby check existence of said construction machine.

A construction machine, comprising:

operating information collection means for collecting operating information regarding operation of a construction machine;

storage means for storing the operating information; and

a transmission controller for transmitting the operating information read from the storage means to a first receiving device provided except the construction machine through a wireless radio, said transmission controller transmitting said operating information to said first receiving device when receiving a transmission request from outside of the construction machine, or continuously for a predetermined period.

10. The construction machine according to claim 9, wherein said wireless radio is a low power wireless radio.

11. The construction machine according to claim 9, wherein said transmission controller reads said operating information from said storage

July 28

means to transmit it to said first receiving device when said first receiving device exists within a communication permissible range of said wireless radio.

12. The construction machine according to claim 9, wherein said first receiving device is provided in a base station for controlling said construction machine.

13. The construction machine according to claim 9, wherein said transmission controller reads said operating information from said storage means to transmit it to a second receiving device when a movable body provided with said second receiving device for receiving said operating information exists in a transmissible range of said wireless radio.

14. The construction machine according to claim 9, wherein when said operating information is transmitted, identification information of said construction machine in addition to said operating information is transmitted.

15. A method for reading operating information of a construction machine, comprising the steps of:

collecting and storing operating information regarding an operating state of a construction machine;

transmitting the stored operating information to a low power wireless radio; and

receiving the transmitted operating information by a receiving device within a transmittable area of said low power wireless radio to thereby read said operating information from said construction machine.

16. The method according to claim 15, wherein said receiving device is provided in a base station for controlling said construction machine, and said construction machine returns to the base station whereby when said

09961112 092401

receiving device enters said transmittable area, transmit-receiving of operating information is performed between said receiving device and said wireless radio.

17. The method according to claim 16, wherein when said construction machine passes through a gate in said base station, said operating information is received by said receiving device from said construction machine.

18. The method according to claim 15, wherein the receiving device is carried into the transmittable area of said low power wireless radio whereby said operating information is received by said receiving device within said transmittable area.

19. The method according to claim 18, wherein said receiving device is placed on an automobile, and moved within said transmittable area to thereby receive said operating information from said construction machine.

20. The method according to claim 15, wherein when, said operating information is transmitted, identification information of the construction machine in addition to said operating information is transmitted.

add 957